



DOCKET NO.: BMS-0891/PH-7345-A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In Re Application of:

James R. McCarthy

Confirmation No.: 1709

Application No.: 09/995,159

Group Art Unit: 1624

Filing Date: November 27, 2001

Examiner: V. Balasubramanian

For: CRF RECEPTOR ANTAGONISTS AND METHODS RELATING THERETO

EXPRESS MAIL LABEL NO: EL 970385364 US
DATE OF DEPOSIT: October 9, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or

before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of **\$180.00** as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;
or

☐ The fee of **\$180.00** as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of **\$180.00** as set forth in § 1.17(p).

☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☐ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:


- ☒ In view of the voluminous nature of reference number 37, and the likelihood that this reference is available to the Examiner, copies are not enclosed herewith.
- ☒ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
- ☒ Copies of references **1-8 and 51-52** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. **09/415,503 now U.S. Patent No. 6,352,990, filed October 8, 1999.**

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

- ☐ The relevance of those listed references which are not in the English language is as follows:
- ☒ There are no listed references which are not in the English language.

Date:

10/9/03


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Sheet 1 of 7

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. BMS-0891/PH-7345-A	Application No. 09/995,159	RECEIVED OCT 20 2003 TECH CENTER 1800/2900
	Applicant James R. McCarthy, et al.		
	Filing Date November 27, 2001	Group 1624	
	Confirmation No. 1709		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	1	Adamiak, et al., <i>Angew. Chem.</i> , 1985 , 97(12), 1046 (CA 104:110099, 1986)	
	2	Brown, et al., <i>J. Chem. Soc.</i> , 1969 , C18, 2620-2624 (CA 72:21662, 1970)	
	3	Gundersen, et al., <i>Tetrahedron Letts.</i> , 1994 , 50(32), 9743-9756	
	4	Hamann, et al., <i>Can. J. Chem.</i> , 1968 , 46(3), 419-423 (CA 68:68957, 1968)	
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	6	McKenzie, et al., <i>J. Org. Chem.</i> , 1982 , 47(25), 4881-4884	
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	8	Wang, et al., <i>Biochem. Pharmacol.</i> , 1979 , 28(15), 2249-2260 (CA 92:69336, 1980)	
	9	Al-Shaar. A..H., et al., "The synthesis of heterocycles via addition-elimination reactions of 4- and 5-aminoimidazoles," <i>J. Chem. Soc., Perkin Trans. 1</i> , 1992 , 2789-2793	
	10	Balicki, R., et al., Translocative rearrangements. Generality of the formamidine-induced rearrangement of 4-substituted 5-amino-4-cyano-4H-imidazoles," <i>J. Org. Chem.</i> , 1983 , 48(1), 3-7	
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Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
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U.S. Department of Commerce
Patent and Trademark Office

Docket No.

BMS-0891/PH-7345-A

Application No.

09/995,159

Applicant

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Filing Date

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

11	Battaglia, G., et al., "Characterization of corticotrophin-releasing factor receptor-mediated adenylate cyclase activity in the rat central nervous system," <i>Synapse, Alan R. Liss, Inc.</i> 1987 , <i>1</i> , 572-581
12	Bilezikjian, L.M., et al., "Glucocorticoids inhibit corticotrophin-releasing factor-induced production of adenosine 3',5'-monophosphate in cultured anterior pituitary cells," <i>Endocrinology</i> , 1983 , <i>113</i> (2), 657-662
13	Boger, D.L., et al., "Inverse electron demand diels-alder reactions of heterocyclic aza dienes. Studies on the total synthesis of lavendamycin: investigative studies on the preparation of the CDE β -carboline ring system and AB quinoline-5,8-quinone ring system," <i>J. Org. Chem.</i> , 1985 , <i>50</i> (26), 5782-5789
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17	Chen, R., et al., "Expression cloning of a human corticotrophin-releasing-factor receptor," <i>PNAS, USA</i> , October 1993 , <i>90</i> , 8967-8971
18	Cheng, Y.-C., et al., "Relationship between the inhibition constant (K_1) and the concentration of inhibitor which causes 50 per cent inhibition (I_{50}) of an enzymatic reaction," <i>Biochem. Pharmacol.</i> , 1973 , <i>22</i> , 3099-3108
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20	Corey, E.J., et al., "A synthetic method for formyl \rightarrow ethynyl conversion ($RCHO \rightarrow RC\equiv CH$ or $RC\equiv CR'$)," <i>Tetrahedron Letts.</i> , 1972 , <i>36</i> , 3769-3772

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21	Crofford, L.J., et al., "Local secretion of corticotrophin-releasing hormone in the joints of lewis rats with inflammatory arthritis," <i>J. Clin. Invest.</i> , December 1992, 90, 2555-2564	
22	DeSouza, E.B., "Role of corticotrophin-releasing factor in neuropsychiatric disorders and neurodegenerative diseases," <i>Ann. Reports in Med. Chem.</i> , 1990, 25, Chapter 23, 215-223	
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29	Houston, D.M., et al., "Potential Inhibitors of S-adenosylmethionine-dependent methyltransferases. 8. Molecular dissections of carbocyclic 3-deazaadenosine as inhibitors of S-adenosylhomocysteine hydrolase," <i>J. Org. Chem.</i> , 1985, 28, 467-471	
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	38	Rivier, J., et al., "Characterization of rat hypothalamic corticotrophin-releasing factor," <i>Proc. Natl. Acad. Sci. USA</i> , August 1983, 80, 4851-4855
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* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.



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	41	Shibahara, S., et al., "Isolation and sequence analysis of the human corticotrophin-releasing factor precursor gene," <i>EMBO J.</i> , 1983 , 2(5), 775-779			
	42	Sirinathsingji, D.J.S., et al., "Corticotropin-releasing factor is a potent inhibitor of sexual receptivity in the female rat," <i>Nature</i> , September 15, 1983 , 305, 232-235			
	43	Sutton, R.E., et al., "Corticotropin releasing factor produces behavioural activation in rats," <i>Nature</i> , May 27, 1982 , 297, 331-333			
	44	Tilders, F.J.H., et al., "Effect of hypothalamus lesions on the presence of CRF-immunoreactive nerve terminals in the median eminence and on the pituitary-adrenal response to stress," <i>Regul. Peptides</i> , 1982 , 5, 77-84			
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	47	Vita, N., et al., "Primary structure and functional expression of mouse pituitary and human brain corticotrophin releasing factor receptors," <i>FEBS</i> , November 1993 , 335(1), 1-5			
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	51	5,063,245	11/05/91	Abreu, et al.	514	404
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	53	4,605,642	08/12/86	Rivier, et al.	514	12
	54	US 6,352,990 B1	03/05/02	McCarthy	514	261

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FOREIGN PATENT DOCUMENTS

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					YES	NO
	60	WO 94/13677	06/23/94	PCT		
	61	WO 95/33750	12/14/95	PCT		
	62	WO 95/34563	12/21/95	PCT		
	63	WO 96/35689	11/14/96	PCT		
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	66	WO 98/08847	03/05/98	PCT		
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